Nominees for Computer Society Officers and Board of Governors Positions in 2014

On the following pages are the position statements and biographies of the IEEE Computer Society’s candidates for president-elect, first and second vice presidents, and Board of Governors. Within each category, candidates are listed in alphabetical order. Election of officers to one-year terms and of Board members to three-year terms, each beginning 1 January 2014, will be by vote of the membership as specified in the bylaws.

Only Computer Society members without an email address in their member record, or those who have opted out of IEEE email communications, will receive a paper ballot package. Those who receive paper ballots should return them by mail using the business reply envelope provided or to the IEEE Technical Activities, ATTN: SGA, 445 Hoes Lane, PO Box 1331, Piscataway, NJ 08855-1331, USA.

All other members will receive a broadcast email message with voting instructions to access their Web ballot package information. Members (undergraduate students are not eligible to vote) in all regions can vote via the Web at www.computer.org/election2013. For replacement ballots or to request a paper ballot, call +1-732-562-3904 or email ieee-computervote@ieee.org.

The opinions expressed in the statements are those of the individual candidates and do not necessarily reflect Computer Society positions or policies.

Ballots must be returned no later than 12:00 noon EDT on Monday, 7 October 2013. Results will be announced in Computer’s December issue.

NOMINEES FOR PRESIDENT-ELECT

Thomas M. Conte  
Position statement. I joined the Computer Society 30 years ago for the same reasons that I am a member today: to stay current, keep in touch with colleagues, contribute and collaborate. Today, computer-enabled media is democratizing and globalizing information access, and the Computer Society must adapt accordingly.

As Vice President of Publications for the last two terms, I have strived to make all Computer Society publications Open Access: freely available to everyone around the world. Meanwhile, I reject the idea that Open Access somehow means we must compromise the quality of our publications. IEEE leadership tells us that this future is “scary”—publication subscriptions funding IEEE headquarters will go away. I do not think that’s scary at all. Rather, the IEEE’s bureaucracy must shrink accordingly.

Meanwhile, we must continue to support all the activities we value as members.

Our Computer Society’s IEEE Standards are indispensable and respected worldwide, and that activity must continue unimpeded.

Be it MOOCs or open, accredited online degree programs, our educational activities must continue to lead the way.

Computer Society conferences are vital: they are where we interact and advance the computing field. For me, the

(Conte continued on next page)

Roger U. Fujii  
Position statement. Our computing profession is creating innovative solutions that yesterday were only ideas but are now practical solutions, all driven by processing speeds following Moore’s law. The Computer Society faces the challenges of delivering our world-class technologies and services to members faster and more economically. We need to deliver technical content and member services with “personalized summaries” to new communication devices such as our mobile phones/tablets. We need to use our international technical leadership to reach out to our membership with entrepreneurial ideas emphasizing faster delivery and focused content delivery. My goals are as follows:

• Increase international membership in all geographic regions and involve more regional chapters in Computer Society decisions.

• Deliver quality continuing education and training content to keep all members current with technologies for better job opportunities.

• Enhance tools for delivery methods (data mining from Xplore library) from our world-class, curated conference papers, journals, and magazines.

• Lead computing technology in emerging multidisciplinary sciences such as life sciences, Smart Grid,

(Fujii continued on next page)
conference meeting days are the most valuable days in my work year.

Yet I have run many international conferences, and I know it takes enormous time and effort. It should not. The Computer Society needs to change from taxing conferences to providing true services that make organizing and running a conference easier. The Society must be the facilitator, not the gatekeeper, for our conferences.

The Computer Society is our society: it should be easier for “really busy people” to volunteer for the Society. Let’s get all of us from around the world moving the Society into the future.

The “is it helping our members?” test has been the guiding principle behind any and all decisions I’ve made as a Board of Governors member and Society Vice President. It will be the same principle I use as your President.

Let’s keep this our society, where we all come together to collaborate, to stay technically current, and to move computing forward.

Please visit my site, http://www.conte.us.

Biography: Thomas M. Conte has been a volunteer for the Computer Society for many years. He has chaired major symposia in his technical area, served as a Technical Committee chair, and served on numerous editorial boards, for example, *Computer* and *Micro* magazines, *Transactions on Computers*, and *Computer Architecture Letters*.

Tom served as the Computer Society’s awards committee chair from 2009-2011, and as an elected member of the Board of Governors from 2010-2011. In 2011, he was elected to the First Vice President position, where he currently shepherds Computer Society Publications. In awards and publications, his focus has been on what is best for the members of the Society.

Tom is Professor of Computer Science and of Electrical and Computer Engineering at Georgia Institute of Technology, where he takes pride in both his research and his teaching. If given the choice between the intrigue of departmental politics and teaching computing to freshmen, he’ll choose the latter every time. His research focuses on computer architecture, compiler optimization, and fast simulation techniques.

A Fellow of the IEEE, he received a PhD in electrical engineering from the University of Illinois, Urbana-Champaign, in 1992.

computational medicine, and healthcare technology.

- Foster special technical communities and forums allowing professionals, students, practitioners, and academics to form agile, personalized information exchange communities.
- Create an economical fee structure for pre-university, university, industry practitioners, and professionals with special offerings for emerging countries.

My vision for the Computer Society is that we create and deliver our world-class technical content such that the Computer Society becomes the trusted source when one wants computing information. My strategy for this vision is to emphasize the following:

- Engage our international volunteers and technical contributors, especially Regions 8 (Africa, Europe, Middle East), 9 (Latin America), and 10 (Asia Pacific).
- Fund new delivery content tools such as those created for IEEE Computing Now to produce personalized content and innovative visual media.
- Create a special structure that allows members and volunteers to nurture and develop entrepreneurial ideas quickly for use by the membership.

I recognize that our volunteers and members, the life blood of the society, are the key to make the goals and vision a reality.

Read more at www.fujii.us.com.

Biography. Roger U. Fujii, a 43-year IEEE and Computer Society member, served at the volunteer grass-roots level as chairperson of the first software standards series. Fujii progressed through multiple Society responsibilities, including press operations/conferences, standards, Fellow/Karlsson awards, strategic planning, future technology initiatives (Smart Grid), and governance. He led the 2011 Strategic Plan development, the Wiley book program as Press Operations Committee chair, and ISO/IEC 12207 development as USA international chair. He served as First Vice President and Board of Governors member and currently is an IEEE Director.

Fujii retired as Vice President of Northrop Grumman’s Communications Network Division ($1B), responsible for the design of critical communication systems (F-22/35) using ISO 9001/Six Sigma manufacturing and SEI CMMI level 5 software processes. He forged innovative strategic plans using $35M R&D to create new research ideas. As President, Fujii Systems, he consults to major corporations.

Fujii’s awards include IEEE Fellow, Golden Core, and Outstanding Contribution. His communication system won the prestigious Daedalian Award.

Fujii received a BS/MS in EECS from the University of California, Berkeley, with business management certificates from Harvard, UCLA, and Darden. He was co-editor of *Computer Magazine (V&V)*, contributing author of two books and numerous papers, and COMPASS program chair.
NOMINEES FOR FIRSTVICE PRESIDENT

Elizabeth (Liz) Burd

**Position statement.** Computing is exciting because it’s constantly changing; it’s also our greatest challenge. The power of computing is that it touches everything—our work, homes, education, leisure, and safety. Increasingly, researchers and software developers are challenged by interdisciplinary work that requires us to understand our discipline as well as many others. The need for clear and effective cross-disciplinary working and communication has never been so strong. Likewise, never have there been so many demands on our staff for their skills.

Through its conferences and publications, the Computer Society can support these needs and should investigate ways to increase collaboration between academia, industry, and other computing-related fields. Over the last several years, I have supported the Society’s educational outcomes (as VP of Educational Activities from 2010-12) by supporting the development of materials that take outcomes from our researchers and deliver, for example, courses in a format that can provide strategic advantage to our industrial colleagues. The strength of our Society is in the professional networks and communities of practice that it can create. I aim to support the formation and facilitation of such knowledge exchange opportunities.

Currently, as VP of Member and Geographic Activities, I have examined the needs of communities worldwide. I was not surprised to find they are each different. We must do more to support regional variation. If elected, I will encourage the Society to better support professional development in computing, including promoting industry-focused publication of research outcomes and enabling networking opportunities to support industry, academic, interdisciplinary, and localized community building.

**Biography.** Professor Elizabeth (Liz) Burd is a Pro-Vice Chancellor at the University of Newcastle, Australia. Previously, she was dean at Durham University in the UK. Burd teaches software engineering at the undergraduate and graduate levels. Prior to her new appointment, she led Durham’s Technology Enhanced Learning research group, a group of 20 research staff and students, and was until recently director of the UK’s Centre for Excellence: Active Learning in Computing. She has research collaborations with firms that include IBM, Microsoft, British Telecommunication, BAe, and Logica. In past years, she has garnered millions of dollars in research funds. Burd is currently the CS Second Vice President and VP for Member and Geographic Activities and chair of IEEE’s Pre-University Education Committee (2011-2013). Previously, she has been Computer Society VP Education Activities (2010-2012). Burd has served on the program committees for more than 20 IEEE conferences. She has published over 60 articles on software engineering and 30 on computer education. Burd has received many awards, including the IEEE-CS Computer Science and Engineering Undergraduate Teaching Award in 2008, and a UK National Teaching Fellowship in 2009. A member of IEEE and the Computer Society for 20 years, Burd became a Senior Member in 2005.

Paul Croll

**Position statement.** The long-term success of the Computer Society will depend upon how effectively we provide value to our members and to our profession. We must nurture and grow our chapters worldwide, providing a strong local presence and engaging students, researchers, and practitioners throughout the globe. We must also embrace new mechanisms for reaching and serving our communities of interest, while maintaining our core foundation as the world’s most prestigious professional society in the field of computing. This means that while we establish and nurture new Web-based communities and new electronic products and services designed to reach and engage a broader constituency, we must also take care to sustain and grow our technical core of conferences and publications. I have been successful in streamlining the bureaucracy surrounding our technical activities while providing better service to our technical committees and conferences. This has resulted in improved processes for conference approval and management, more personalized staff support, and improved visibility into conference and TC performance; this includes a new policy for carryover of previous-year TC and conference surplus funds, which will provide our conferences and TCs additional funds to reinvest for their future. I will also push hard to better understand the real needs of our members, from students to seasoned professionals, so that our Computer Society resources both meet those needs and provide true value. We are the world’s leading organization for computing professionals. I will work hard to ensure that we serve our community with offerings that are relevant, accessible, and affordable.

**Biography.** Paul Croll has been an active Computer Society volunteer for more than 25 years. The 2012 winner of the Hans Karlsson Award, Croll chairs the Software and Systems Engineering Standards Committee, maintaining the largest collection of software and systems engineering standards in the world. As Vice President for Technical and Conference Activities, Croll oversees the activities of more than 25 technical committees and 160 conferences. A Senior Member of the IEEE, he is the past Chair of the Technical Council on Software Engineering and the 2012 winner of the TCSE Distinguished Service Award, a Computer Society Golden Core member, and Distinguished Visitor. Croll has served as the General Chair for the IEEE Software Technology Conference, General Co-Chair for the Society’s International Conference on Semantic Computing, and Program Chair for the Computing Professionals Conference and the IEEE International Systems Conference; he has also served on the Steering Committees for the International Conference on Software Engineering and the Working IEEE/IFIP Conference on Software Architecture. He is also an associate editor for the Journal of Semantic Computing. A retired Fellow at CSC, Croll has more than 35 years’ experience in software and systems engineering, spanning industry, government, and academia as a practitioner, researcher, and university lecturer.

www.linkedin.com/pub/paul-croll/1/54/836
James W. Moore

Position statement. Four principles motivate me in my IEEE volunteer activities. (1) The primary duty of IEEE is to benefit its members, their professions, and, through them, the world. (2) Members of IEEE are not simply a different form of customer, but must be empowered participants. (3) IEEE works best when authority and responsibility are pushed outward to societies, chapters, editors, authors, organizers, and individual members. (4) IEEE does a wonderful job for academic members, but most IEEE members are practitioners; we need more programs for practitioners.

My activities in the Computer Society have supported these principles. When I was Vice President of Standards, we initiated the harmonization program so that the software and systems engineering standards of IEEE and ISO would not contradict each other; that program is now nearing completion. We also initiated work on “Essential Sets” so that practitioners could economically obtain software and system standards. When I was Vice President of Professional Activities, we developed the strategy to align the SWEBOK Guide with the certification programs and the ACM/IEEE curriculum so that they all represented the same body of knowledge and were supported by a shared, identified set of references; the revised SWEBOK Guide will become available this year, completing the project. Now, some things still need work. It costs too much to renew a certification. The standards are not available easily enough. Members need better access to digital libraries. Members need additional and practical support for their career development. I hope to work on these problems for you.

Biography. Jim Moore, a Fellow Member of IEEE, recently retired from The MITRE Corporation, a nonprofit “think tank,” where he worked on practical techniques for high-confidence software engineering. Prior to joining MITRE, he worked for IBM with contributions to seminal technologies such as CMOS computer architectures, microprogramming, token ring networks, structured programming, clean-room software development, formalized process definition, and software reuse. He has led IEEE, INCITS, and ISO/IEC standards efforts in areas including software engineering and computing security, and now serves as the Computer Society’s liaison to the international committee for software and systems engineering standards. He has served the Computer Society as a Board member, as Treasurer, and in three Vice President roles, as well as serving as a member of the IEEE Board of Directors. He was an executive editor of the 2004 Computer Society Guide to the Software Engineering Body of Knowledge and a member of the editorial board of the 2002 Encyclopedia of Software Engineering. He has written two books on software engineering standards and is the recipient of the IEEE’s 2011 Charles Proteus Steinmetz Award and the Computer Society’s 2009 Hans Karlsson Award.

Charlene (“Chuck”) Walrad

Position statement. I very much appreciate the honor of being nominated as Second Vice President of the Computer Society. As a long-time participant in a very wide range of CS boards and committees, one of the most rewarding aspects of being a volunteer has been the opportunity to work with volunteers in other countries. We truly are a global organization!

We are uniquely positioned to form a common international voice for computing professionals, and to help them advance in professional development and in their professions, wherever they are. As Vice President of Standards, I have seen, up close, how valuable our international standards are in the global community. I will continue to work for increased international representation in our standards development efforts.

As Chair of the Professional Activities Board’s IT Committee, I’ve also seen how much it can benefit IT professionals across the globe to enjoy a common language of IT. As part of my duties, I am overseeing the development of a Guide to the IT Body of Knowledge and the development of an IT competency model. Our goal is to create a transnational framework for IT excellence. In doing this, we will serve not only our individual members, but we will also foster greater contact and collaboration with industry in such key areas as Smart Grid, Cloud Computing, Green Technologies, Cybersecurity, and Technology Management. This, in turn, leads to closer collaboration with academia, as we share with them society’s needs for the next generation’s education.

Biography. Charlene (“Chuck”) Walrad has more than 30 years of experience in the software and IT industries, leading the development of more than two dozen commercial software products across a variety of applications, ranging from the widely used Systran natural language translation systems to CA’s Ingres RDBMS system. In 1987, she founded Davenport Consulting (www.daven.com), whose clients include companies like Adobe, IBM, Microsoft, AAA, and Ford. She has spoken at numerous industry conferences and written several publications in the field.

Walrad is a Senior Member of IEEE, a member of the Board of Governors, and VP of the Standards Activities Board, and chairs the IT Committee of Professional Activities Board. She is a past member of the Computer Society’s Constitution and Bylaws Committee, Nomination Committee, Digital Library Operations Committee, the Executive Committees of IEEE’s Software and Systems Engineering Standards Committee (S2ESC) and of the Technical and Conference Activities Board, and was the working group chair for the development of a new software configuration management standard, IEEE Std 828-2012.

Walrad received her first two degrees from Arizona State University and the third from the University of California, San Diego.
David A. Bader

Position statement. The IEEE Computer Society is a vibrant community for technology leaders. We are moving into an exciting future when nearly every person on our planet can communicate globally and access knowledge stores of unprecedented volumes and rates. The Computer Society plays a vital role in serving this international community and our membership with forums for innovation, knowledge to create new ideas for solving global grand challenges, and lifelong training of the technology workforce. As a Board member, I will focus on strategies for engaging our diverse global community to increase the value our Society offers, for promoting the exciting technology careers to rising students—especially for women, minorities, and underrepresented groups in STEM areas and the arts—and for seeking efficiencies in the society’s operations. My leadership is based deeply in the rich experiences gained in my 25 years as an active member of the Computer Society.

www.cc.gatech.edu/~bader

Pierre Bourque

Position statement. The IEEE Computer Society must continue to address the needs of computing professionals around the world. By virtue of my background in both industry and academia, I will advocate the vision that the Computer Society should continue moving from being a technical society to a broader professional one. It needs to build upon its credibility and brand-name recognition to offer more high-quality products and services that are current, practical, and relevant to professionals in the field, while maintaining its long-standing tradition of technical excellence in the academic and research communities. These include bodies of knowledge, industry-recognized professional certification programs, as well as training delivered in various online formats and durations. This cohesive suite of products and services must be actively promoted in the marketplaces of the world and meet the needs of professionals everywhere, since computing is, without doubt, a global industry.

Cheng-Chung (William) Chu

Position statement. If elected to the IEEE Computer Society Board of Governors, I will dedicate myself to the Board functions in critical aspects of strategic planning, professional and educational initiatives, and development of innovative products and services that are both valued globally and suitable for the most rapidly growing Asia-Pacific marketplace. My teamwork-based background in this particular growth region can be of ultimate value to the Society. I have over 20 years of experience volunteering for IEEE CS-sponsored activities, publications, and conferences, and extensive experience in administration as department chairman, dean of research and development, and dean of engineering. My qualifications include hosting and chairing several international conferences, collaborating on international interdisciplinary projects, and chairing strategic planning committees for research and development funding initiatives in Taiwan. My goal is to contribute my energy, knowledge, and experience to the Board of Governors, and make the Society even better for you.

Biography. David A. Bader (Fellow, 2010) is a Full Professor in the School of Computational Science and Engineering, College of Computing, at Georgia Institute of Technology, and Executive Director for High Performance Computing. Bader received his PhD in electrical and computer engineering from the University of Maryland in 1996. Bader served IEEE-CS as the Awards Chair (2012), TOC Chair (2015), and Fellows Selection Vice Chair (2011), on committees such as Fellow selection (2010-2015), and as IEEE Division V representative for TAB Awards and Recognition (2011). Bader is on the CRA Board, incoming EIC of IEEE Transactions on Parallel and Distributed Systems (2014), associate EIC of the Journal of Parallel and Distributed Computing, and AE for IEEE Transactions on Computers, ACM Transactions on Parallel Computing, and ACM Journal of Experimental Algorithmics. Bader is on the Steering Committees of the IPDPS and HiPC conferences, Program Chair for a number of IEEE conferences, and IPDPS 2014, and IPDPS 2010 General Chair. He was twice elected as chair of the IEEE-CS TC on Parallel Processing. Bader is recognized by his peers for his commitment to service, leadership skills, and dedication, through awards such as the IEEE Meritorious Service (2010), the IEEE-CS Golden Core (2011), and the IEEE-CS TCPC Outstanding Service (2013).

Biography. Pierre Bourque is Dean of Studies of the École de technologie supérieure of the Université du Québec and is an Associate Professor in the Department of Software and IT Engineering. He was the Director of the Master in Software Engineering Program from 2005 to 2013. He also teaches graduate and undergraduate courses and does consulting work in software requirements. He was named to the Board of Governors of the IEEE Computer Society in 2010 and is an elected member for the period of 2011-2013. He is also lead co-editor of the Guide to the Software Engineering Body of Knowledge (SWEBOK Guide) V3 and was co-editor of the 2001 and 2004 versions of the SWEBOK Guide. The SWEBOK Guide is also recognized as an ISO/IEC Technical Report. He is currently a member of the Constitution and Bylaws Committee. He received his PhD from the University of Ulster (Northern Ireland). Prior to his academic appointment, he was involved in software engineering, data modeling, and database design at the National Bank of Canada from 1987 to 1995.

Biography. Cheng-Chung (William) Chu is Professor of Computer Science and Director of the Software Engineering and Technologies Center of Tunghai University. He has served as Dean of the Research and Development Office and Dean of the Engineering College. Chu has received a number of awards for his research, teaching, and service, including the IEEE Computer Society Golden Core Award and Outstanding Contribution Award. His research has been continuously funded by the Taiwan National Science Council (NSC, equivalent to the US National Science Foundation) since 1994. He served as the chair of research planning committees for the areas of software engineering, programming languages, and data engineering, and the planning and review committee for Taiwan NSC. Chu has served in editorial positions for a number of journals in his field such as the Journal of Systems and Software, and has committed his service to over 30 international conferences, including IEEE COMPSAC and IEEE APSEC as a Steering Committee member. His current research interests include software engineering, cloud computing, and successful aging. Chu received his MS and PhD in computer science from Northwestern University. He has edited several books and published over 200 refereed papers and book chapters. For more information, please see http://140.128.101.101/chu/.
Dennis Frailey  
**Position statement.** As chair of the EAB’s Professional Development Committee, I’ve focused on the needs of practitioners. I’ve been a working professional for over 35 years, and see many ways to expand support of this community. We’ve produced an integrated collection of Essential Sets and over 20 advanced courses for continuing professional development (with more in the pipeline), as well as the SWEBOK certificate program in India, for individuals just entering the software development profession. We’re now pursuing agreements with other professional societies to enhance our offerings and expand our customer base, thus lowering cost. Being on the Board of Governors helped me align the work of three program boards to facilitate the above results. But there’s still much to do. For example, we must move with the times, making more of our products and services available online and on mobile devices. I’m running for re-election so I can continue these activities.

**Biography.** Joined IEEE CS in the 1970s. Currently: Board of Governors; Distinguished Visitor; Education Activities Board; Professional Activities Board; and Chair of the Professional Development Committee, which has produced over a dozen courses for practitioners over the past three years. Previously: program chairman and conference committee member for many CS conferences; Distinguished Visitor. Other Societies: Texas Board of PEs, Chair; Industrial Advisory Committee; ACM, Distinguished Lecturer, formerly Vice President, Council Member; Chapter Chair, Regional Representative and chair of many committees; Dallas Association for SW Engineering Excellence, Chair, Program Chair; ABET, Program Evaluator for over 25 years.

PhD (computer science, Purdue, 1971). After serving for seven years as a tenured faculty member at SMU, where he helped form the computer science program, Dennis began a software development career with Texas Instruments and Raytheon. He continued as an adjunct faculty member (including six years at the University of Texas at Austin). He also developed and taught courses within TI and Raytheon as well as for external organizations. Keynote speaker at a half-dozen computer conferences; published over 150 papers. Recently, Dennis won the Nancy Mead Award for contributions to software engineering education and the ACM SIGCSE Lifetime Achievement Award in Computer Science Education.

Jill I. Gostin  
**Position statement.** In order for the IEEE Computer Society to provide outstanding service to its members, we need to have a complete understanding of our members’ needs. While the CS has excelled at providing for members’ technical needs, we need a better understanding of their professional needs. Having served extensively at the local level, I will be able to help bridge that gap. During these challenging economic times, members are looking for networking and job opportunities at meetings rather than attending simply to hear technical talks. The CS needs to provide resources and guidance to chapters to meet this need. As a member of the IEEE CS Board of Governors, I will focus on the ever-changing needs of our members and on working with chapter officers to ensure that they have the tools they need and a voice on the CS BoG to champion their concerns and opinions.

**Biography.** Jill I. Gostin currently serves as the chair of both the IEEE Atlanta Section and the IEEE Atlanta Computer Society Chapter. She has also served as Section Treasurer, Vice Chair, Student Branch Coordinator, Membership Development Chair, Tutorials Chair for IEEE’s SoutheastCon 2009, Administrative Chair for IEEE AESS’s RadarCon 2012, and General Chair for the Atlanta IEEE Metro Area Workshop 2013. She is a member of the Computer Society, the Aerospace and Electronic Systems Society, and Women in Engineering.

Gostin has an MS in applied mathematics from the Georgia Institute of Technology, and is a Senior Research Scientist at the Georgia Tech Research Institute (GTRI). She has served on multiple GTRI and Georgia Tech committees and is a current member of the Awards Council. She has worked at GTRI since 1985, where her recent work has focused on algorithm assessment and software test and evaluation. She has authored or co-authored numerous technical papers, and won awards for Outstanding Performance in Research, Outstanding Paper, and Outstanding Volunteer. She has managed large programs related to radar software development and testing, was instrumental in creating an acoustic environment simulation, and has successfully developed fractal geometry applications. Full bio at http://jigostin.wordpress.com/.

Atsuhiro Goto  
**Position statement.** I have no doubt that the IEEE Computer Society is the world’s leading organization for computer professionals and, with its vast human network, the most influential professional society in Japan and Asian countries. I strongly believe that the Computer Society is now facing many challenges including its role as a bridge between recent and emerging IT industry and academia. The continuously transforming IT industry is expecting the CS to lead, encourage, and navigate academic communities in the world to contribute new technologies, such as big data and cloud computing.

In addition to the contribution to both IEEE and Japanese societies, I am sure that my 25+ years of industrial experience and current academic position will be helpful to build bridges among CS, academia, and the IT industry, including those in the emerging industry communities both in Japan and other Asian countries.

**Biography.** Atsuhiro Goto currently serves as Professor, Graduate School of Information Security, Institute of Information Security (IISEC), Japan. He is a leader of the nationwide graduate schools education program, enPIT-Security, which will bring up promising IT experts with the newest information security professional skills.

Goto has been with NTT R&D for more than 25 years and made significant contributions on several cutting-edge business developments in Japanese industry. His experience includes leadership of various nationwide projects with major technology vendors, highly reliable cloud computing platforms, and next-generation IP backbone technologies. Goto has also contributed to global standardization of cloud computing as Vice Chair of the Global Inter-Cloud Technology Forum (GICTF). His research interests include secure cloud computing, ID management, and big data security and privacy.

Goto received a PhD from University of Tokyo in 1984. He is a member of the IEEE Computer Society; ACM; IEICE; and IPSJ. He is an IPSJ Fellow and served as a member of the IPSJ Board from 2008 to 2009. He was a member of the IEEE Computer Society Industry Advisory Board from 2009-11 and a member of the Board of Governors from 2011.
Harold Javid

Position statement. Just a few years ago, publishing meant on paper and presenting was in person. Things have changed a lot: results are shared online, and new ways of networking and communicating are commonplace. In this changing environment, the Computer Society must build on traditional strengths that support technical leadership through publications, journals, conferences, standards, and technical committees; we need to understand the road forward, adapting these strengths as we build online communities and embrace new approaches to communication that are a way of life for coming generations of computing professionals. This is not an easy transition; we must find ways to attract younger and more diverse members and to preserve the value we have created. I bring an integrated understanding of industry and academia to the planning and decisions of the BoG, working to create value rather than pursue my own preconceived ideas. I believe this approach serves the Society well.

Biography. Harold Javid has enjoyed a career at the intersection of industry and academia. After completing a PhD in EE from UIUC, Harold worked for small companies as electronics division manager and general manager and in large companies including GE and Boeing as researcher and team manager. In 1998, after turning around a small company and then supporting its sale, he followed his heart back to his technical love—by joining Microsoft. In his present role at Microsoft, he is responsible for regional connections and creating focused collaborations between Microsoft Research and universities in North America, Latin America, and Australia. Harold loves the academic interactions and opportunities to gain understanding of the global academic ecosystem.

Harold has leveraged this breadth of experience and understanding of industry and academia in his services to the IEEE Computer Society. Beginning as Region 6 chapter coordinator, he moved successively to Secretary of the MGAB and Chair of the Member Development Committee. From 2010-2012, Harold served on the Society’s Industry Advisory Board (IAB). In 2011, he was elected Chair. He is presently serving a one-year (2013) term on the Computer Society’s Board of Governors.

Paolo Montuschi

Position statement. The Computer Society could not exist without its international members and their support. We must listen to their diverse needs, efforts, and aspirations, propose and facilitate new opportunities, and have present and future members benefit from what the Computer Society can and will offer. To remain a responsible and highly reputed technical leader, the Society must transform these challenges into opportunities toward innovation, involvement, openness, flexibility, and leadership.

Based on my experience and accomplishments in management, technology, and education, I will work to help address these issues, as well as define innovative and improved products and services. My achievements, passion, and commitments to scientific research and member-focused activities are my best assets as a second-term candidate for election to the Board of Governors. Respectfully, I ask your vote so I can continue supporting you in your diverse geographical and professional needs, and all the exciting activities of our Computer Society.

Biography. Paolo Montuschi is Vice Chair of the Control and Computer Engineering Department at Polytechnic University of Turin. He was Department Chair (two terms) and Financial External Affairs Board Chair, and Board of Governors member. Montuschi currently serves as IEEE Computer Society Board of Governors member, Chair of the Magazine Operations Committee, member of the Publications Board, Audit, and Digital Library Operations Committees, associate editor in chief of IEEE Transactions on Computers, and member of the Steering Committee of IEEE TECT and of Computing Now’s Advisory Board. Previously, he served as Chair of the Electronic Products and Services and the Digital Library Operations Committees and co-chair and program and steering committee member of several conferences.

Montuschi extensively contributed to Computer Society activities by proposing several new products and services, new frameworks for scientific publications, and bringing multimedia-enhanced articles to Computing Now. In 2012, he received the IEEE Computer Society Golden Core Award for these contributions.

His main research interests and scientific achievements are in computer arithmetic, architectures, graphics, and new publication frameworks for “augmented reading” and scientific knowledge dissemination. He is an IEEE Senior Member and author of 100+ peer-reviewed journal and conferences articles.

Montuschi obtained a PhD in computer engineering in 1989, and since 2000, he has been full Professor.
Jian Pei

Position statement. Carrying my strong academic background, well-recognized expertise on knowledge and data engineering, testified professional service experience, and passion of serving a broader community, I am determined to work together with all IEEE Computer Society members to make our home community more vigorous and more fruitful. Among many things we can do, I want to prioritize three directions. First, I want to strengthen the leadership of the IEEE Computer Society in strategic big data initiatives by facilitating new conferences, publications, and professional training programs. Second, I want to tighten and broaden the connections between academia and industry, as well as the collaborative relations between the IEEE Computer Society and the other related communities by boosting industry and interdisciplinary components in the premier IEEE conferences and participation of academia in innovative industry-driven venues. Last, I want to promote the value of the IEEE Computer Society in the new generation, in underrepresented groups, and in developing countries by approaching students and youth and assisting them to participate in activities of the IEEE Computer Society in creative and sustainable ways.

Biography. Jian Pei is a full professor at Simon Fraser University, Canada. He holds a PhD in computing science from Simon Fraser University in 2002. He is renowned for his outstanding research in data mining, databases, information retrieval, and applications. He has published more than 200 articles in refereed journals and conferences that have been cited more than 10,000 times. His research outcome has been adopted by industry, open source software suites, and publications as books and featured by media. He has served the IEEE Computer Society and the broader professional communities actively. He is the editor in chief of IEEE Transactions on Knowledge and Data Engineering. He served as a key organizer of many conferences run by IEEE, ACM, and other professional associations. He is a senior member of IEEE and ACM, and an ACM Distinguished Speaker. He received many prestigious awards, such as several best and most influential paper awards.

Aditya Rao

Position statement. The Computer Society as an international organization has an urgent need to increase its global footprint and cater to the diverse and large sections of the community. More than ever, the practitioners, students, young researchers, and women in computing—the membership development, sustained engagement, and retention of this significant group—will be my focus. Membership is on the decline, and the global economy is struggling to gain a foothold and stabilize, but innovation and diversity in the field have catapulted to new levels. I would like to use my experience as Membership Development Committee Chair to further the noble charter of our Society to build and retain an internationally diverse membership portfolio and offer contemporary, customized, and sustainable products and services. I have volunteered as a student and a GOLD leader for several years and recognize the needs and aim to bring in ideas and infuse new energy if elected.

Biography. Aditya Rao has been with Oracle for over 11 years and is currently working as a Senior Development Manager heading the technology initiatives team. Aditya’s focus areas at work include service computing, real-time event processing, and project management. Aditya also works in the area of the Semantic Web, with a focus on enterprise applications; he has several patents in this area. Aditya has an MS in computer science and engineering. Aditya is an IEEE Senior Member and a Golden Core Member of the IEEE Computer Society and has received Meritorious Service Awards for his contributions as the Chair of the Membership Development Committee (MDC). He is currently the Chair of the Membership Development Committee and sits on the CS Member and Geographic Activities Board (MGAB). He was the Chair of the IEEE CS Chapter, Hyderabad Section for 2010-11. He has been an active member of the IEEE Hyderabad Section, volunteering for the IEEE CS Chapter as its Secretary and Vice Chairman in 2005-06 and 2007-08, respectively. He has been associated with IEEE and the Computer Society since his student days where he served as the Student Branch Chairman, which won the exemplary student branch award for Region 10.

Rob Reilly

Position statement. “I hope that I have not made my most important contribution to IEEE yet.” I have solid experiences with the Computer Society (CS), the Education Society, and all IEEE boards. If elected, I will tackle these issues: the function of chapters, membership dues, and the new IEEE membership model and new IEEE publication revenue model, which will drastically change our revenue streams.

My primary focus will be the function of chapters (in addition to technical meetings, expand chapter-based services to include networking of professionals, career advice/counseling, mentoring, pre-university outreach, grade elevation), facilitating the creation of IEEE-HKN chapters (IEEE’s honor society), and establishing a CS Student Activity Committee.

The Computer Society’s Board has a great deal of power and authority that can be applied for the betterment of all members; I will do that. I am asking for your vote.


Biography

EDUCATION: Doctor of Education, University of Massachusetts
AFFILIATION: Massachusetts Institute of Technology; I’m retired, but my wife believes my full-time job is with IEEE!
IEEE AWARDS:
• Larry K. Wilson Transnational Award (IEEE MGA)
• William Sayle Award for Achievement in Education (Education Society)
• Leadership Award (IEEE MGA)
• Edwin Jones Meritorious Service Award (Education Society)
• Distinguished Contributions to Pre-College Environment (Computer Society)

COMPUTER SOCIETY: Vice Chair, Member and Geographic Activity Board (2012-present); Member, Awards Committee (2011-present); Chair, Computer Science Teaching Award Committee (2010-present); Chair, Taylor Booth Award Committee (2010-present); Chair, Distinguished Contributions in Pre-College Environment Committee (2010-present).

EDUCATION SOCIETY: President (2011-2012); Secretary (2009-2010); Chair, Chapters Committee, (2003-present); Member, Board of Governors (2005-present).
IEEE (major boards): Associate Editor in Chief, IEEE eLearning Library (2013); Member, Technical Activities Board (2011-2012); Member, EAB’s Pre-University Committee (2006-2008);
MAJOR ACCOMPLISHMENTS:
• Actually understand IEEE’s structure
• Revised selection process for the Computer Society’s (CS) major education awards
• Re-engineered CS MGA’s Award/Scholarship support process
• Expanded number of Education Society (EdSoc) chapters from 9 to 69
• Spearheaded the EdSoc’s budgeting process
• Brought about EdSoc’s student-only peer-reviewed publication
• Increased EdSoc’s revenue by fathering two of three Society conferences
• Created EdSoc’s Student Activity Committee

Christina M. Schober
Position statement. The IEEE Computer Society provides inclusive membership and service to the professional and technical community beyond membership. Much can be accomplished by the continued involvement and enthusiasm of all our members from student to life members, staff, volunteer leadership, and the professional community. The geographic and technology diversity of our field of interest and the community it serves is a challenge to providing value and long-term success of the Society as a technology leader.

The Society is successful in the international presence of its conferences, publications, and communications.

The next step is to broaden the technical community breadth of information and resources available to our members and customers. IEEE is expanding collaborations between its Societies and Councils to improve customer and member value. These collaboration opportunities should be evaluated and embraced where mutually advantageous to bring more opportunities and high value to IEEE CS members and customers.

Biography. Christina M. Schober is currently the IEEE Computer Society Assistant Treasurer and IEEE Computer Society T&C Secretary, IEEE Sensors Council Past-President, and a member of the 2013 IEEE Tellers committee.

She won the 2013 IEEE Sensors Council Meritorious Service Award, is an IEEE CS Golden Core Member, and in 1990 was named the IEEE Twin Cities Section Young Engineer of the Year.

Chris has been an active member in the IEEE Computer Society since 1984.

Chris has volunteered at many levels of the IEEE Computer Society and IEEE: Computer Society Chapter Treasurer/Secretary/ Vice Chair/Chair, IEEE Section Vice Chair/Chair, IEEE Computer Society Membership Board as an Area Coordinator and later Vice President, Technical and Conference Activities Board Member, IEEE CS BOG member for multiple terms, and IEEE Sensors Council President 2010-2011.

Christina Schober is a Honeywell Staff Engineer and Product Team Leader for the Tactical Ring Laser Gyro in the Aerospace Division. She is a Certified Honeywell Six Sigma Blackbelt, and holds eight US patents, multiple international patents, and five atomic clock-related patent applications in process. Chris has a Professional Masters of Mechanical Engineering from the University of Minnesota.